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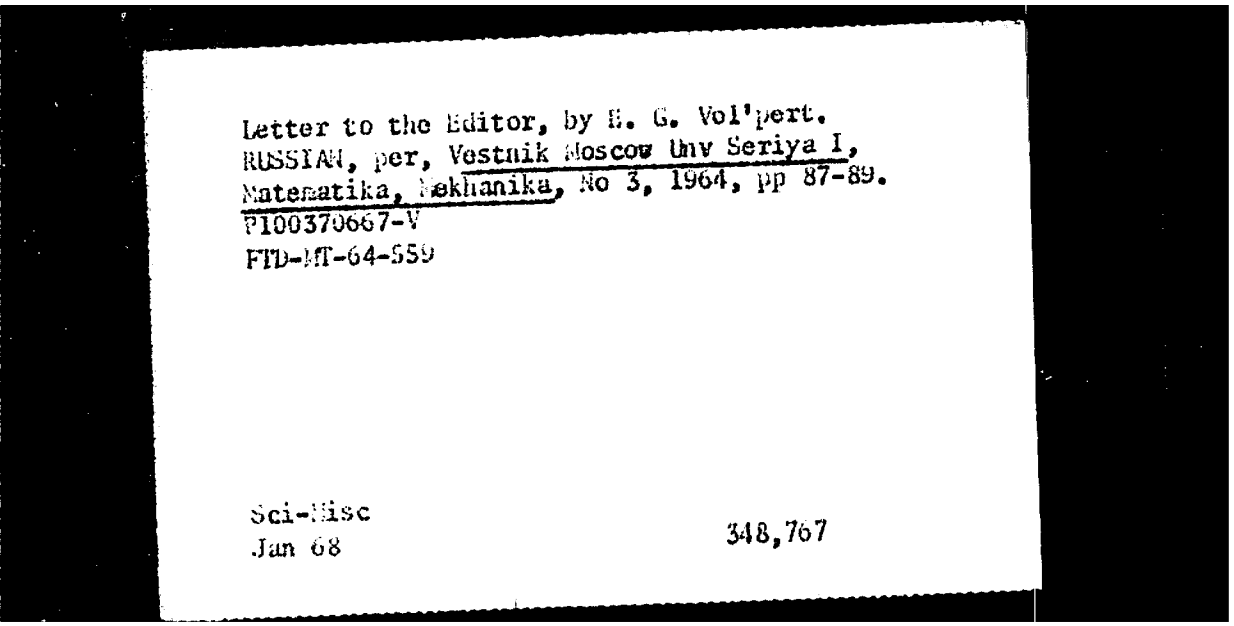

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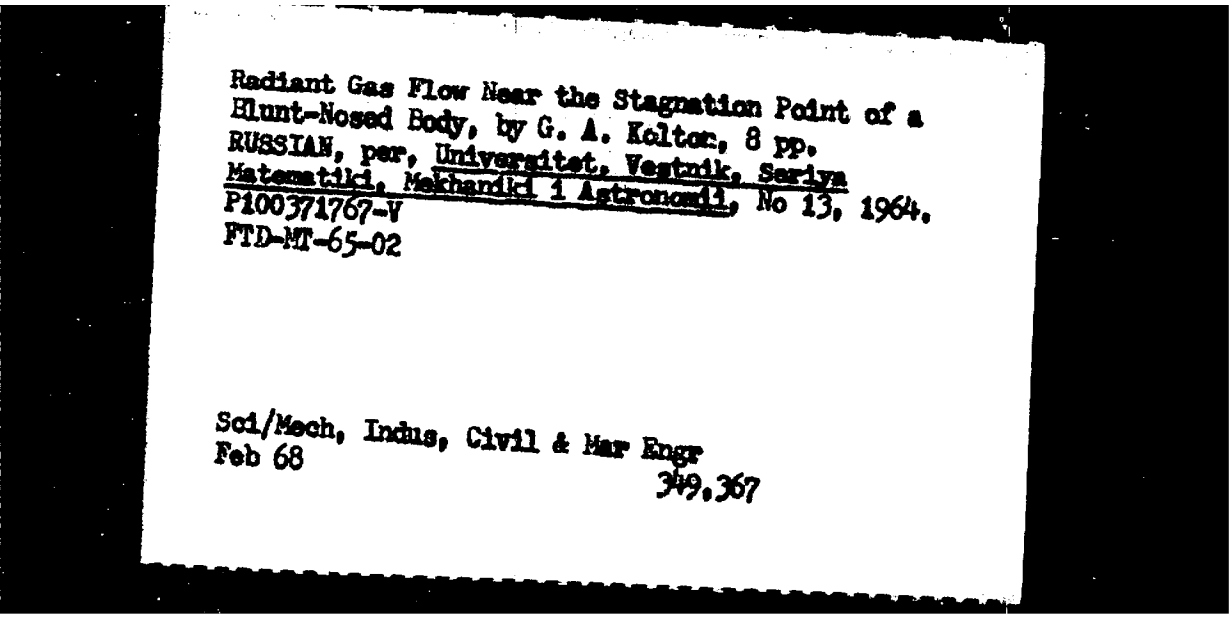

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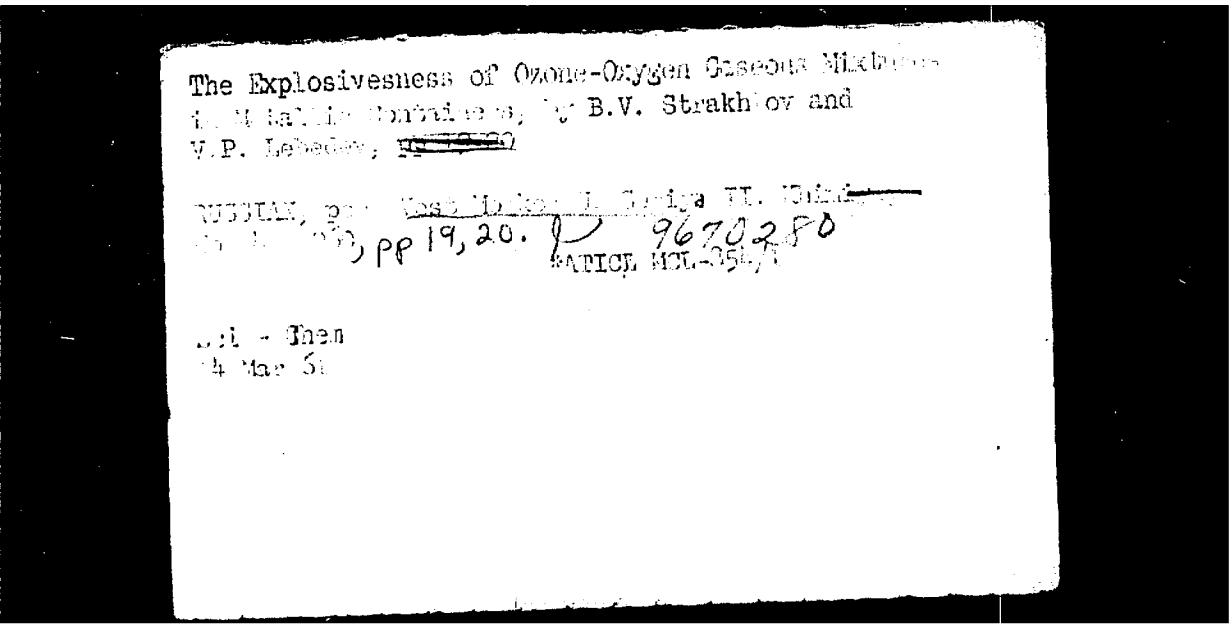

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

Pyrolysis of Low Octane Gasoline Vapor to Acetylene Olefins in a Hydrogen Plasma, by D. Ilin and E. N. Eremin.
RUSSIAN, per, Moscow. Universitet. Vestnik. Seriya 2. Khimiya, Vol 17, No 2, 1962, pp 29-30.
NTC 71-14651-07D

Feb 72

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

Busev, A. I., Fan, C., and Kuzyaeva, Z. P.
SODIUM p-(MERCAPTOACETAMIDO) BENZENESULFONATE AS A REAGENT FOR MOLYBDENUM. [1962]
5p.
Order from ATS $7.00 ATS-11P66R

Trans. of Moscow U. Vestn[ik]. Ser[iya] 2: Khim[iya]. (USSR) 1962, v. 17, no. 4, p. 43-47.

DESCRIPTORS: *Molybdenum, Reagents, *Sodium compounds, Thiol radicals, Amides, Benzenes, *Sulfonates.

(Chemistry--Analytical, TT, v. 9, no. 7)

63-12623

I. Busev, A. I.
II. Fan, C.
III. Kuzyaeva, Z. P.
IV. ATS-11P66R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-4134

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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Viscosity of Boron Trifluoride, by G. M. Panchenkov, et al, 4 pp.

RUSSIAN, per, Vestnik Moscow Univer Seriia II Khim, Vol XVII, No 5, 1962, pp 11-~~xxx~~ 13. 9215586

*AEC-TR-6006

Sci - Mat & Met

Aug 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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A Study of the Uranium (IV)-Uranium (III) System, by I. P. Alimarin.
RUSSIAN, per, Moscow Universitet. Vestnik. Seriya 2, Khimiya, No 5, 1962, pp 50-54.
NTC-71-15437-07B

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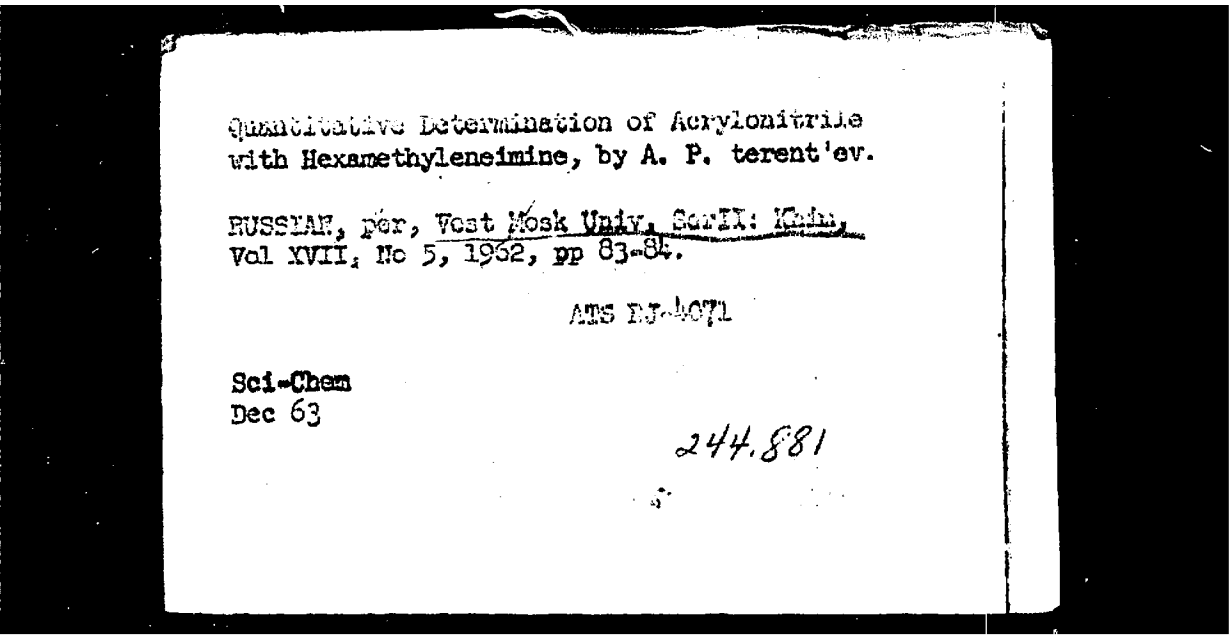

Quantitative Determination of Acrylonitrile with Hexamethyleneimine, by A. P. terent'ev.

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ATS 63-4071

Sci-Chem
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Investigation of a Hysteresis Loop of Cobalt-Nickel Ferrites, by T. I. Bulgakova, L. S. Guzey, 5 pp.

RUSSIAN, per, Vest Mosk Univ, Ser II, Khim, No 6, 1962, pp 58-60. 9684850

FTD-TT-63-448

Sci-Phys
Aug 63

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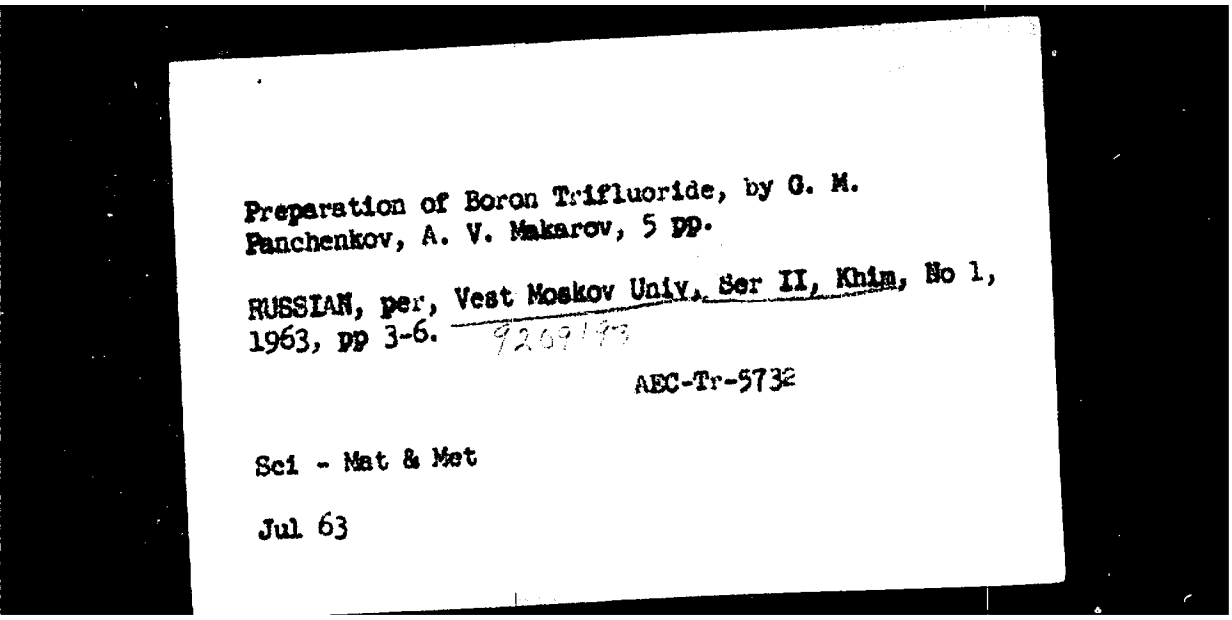

Preparation of Boron Trifluoride, by G. M. Panchenkov, A. V. Makarov, 5 pp.

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AEC-Tr-5732

Sci - Mat & Met

Jul 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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Vibrational Frequency of Hydrazine Molecule
N_2H_4, by Yu. I. Kotov.
RUSSIAN, per, Vest Moskov Univ, Ser II, Khim,
No 3, 1963, pp 10-13.
*FTD-TT-65-1900

Sci - Elec, Chem
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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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Electrosynthesis of Ozone From Oxygen at High Pressures, by I. A. Semiokhin, N. I. Kobozev, 9 pp. RUSSIAN, per, Vest Moskov Univ, Seriya II, Khimiya, No 3, 1963, pp 37-40. 9692324
FTD-TT-64-195

Sci - Chem
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On Enthalpies of Formation of Ion Compounds,
by A. F. Vorob'ev, S. M. Skuratov, 7 pp.
RUSSIAN, per, Vest Moskov Universit, Seriya Khim,
Vol XVIII, No 3, 1963, pp 45-47. 9226781
Σ AEC-UCRL-Tr-1098(L)

Sci-Chem
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Enthalpies of Formation of Ions OH^-, K^+, Na^+, Li^+ in Aqueous Solutions, by A. P. Vorob'ev, A. S. Monayenkova, et al, 6 pp.
RUSSIAN, per, Vest Moskov Univ, Seriya II Khim, Vol XVIII, No 3, 1963, pp 48-51. 9235876
AEC-UCRL-Tr-1099 (L)

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Jun 65

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

Trunov, V. K. and Kovba, L. M.
X-RAY ANALYSIS OF THORIUM TUNGSTATE AND MOLYBDATE. [5]p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-16574

Trans. of Mosc[ow] U[niversity] Vestnik / Ser[iya] 2: Khim[i-ya] (USSR) 1963, v. 18, no. 3, p. 60-63.

(Physics--Solid State, TT, v. 12, no. 4)

TT-64-16574

I. Trunov, V. K.
II. Kovba, L. M.

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Spectropolarimetric Study of Some Amides and Xanthogenates in Connection with L. Chugaev's Research, by V. Dem'Yanovich, V. Potapov.
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CSIRO/No 7599

Sci -
Jul 67 334,110

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Spectrophotometric Investigation of Reaction of Niobium and Tantalum With Salicylhdroxamic Acid, by I. P. Alimarin, N. P. Borzenkova, 10 pp.
RUSSIAN, per. Vest Mosk Univ, Ser II, Khim, No 6, 1963, pp 65-69. 9698637
FTD-TT-65-920

Sci - Chem
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The Relationship Between Diffusion and Near Order in Liquids, by G.M.Panchenkov and V.V.Erchenkov. RUSSIAN, per, Vestnik, Moscow Univ.(Seriya 2: Khimiya),1964, vol.19, no.1, pp.20-29.
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Aug 66 307,765

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Isotopic Exchange Between Carbon Dioxide and Its Ethanolamine Solutions, by I. A. Semyokhin, G. M. Panchenkov, et al, 5 pp.
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AEC-ORNL-Tr-68

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Influence of Alloying on the Hardness of NiAl and Its Solid Solutions, by L. A. Kucherenko, V. A. Troshkina, 5 pp.
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FTD-TT-64-1270

Sci - M/M
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Synthesis of 5-Ethylpicolone Acid, by A.N. Kost,
6 pp.
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pp 427-430.
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Jan 73

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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Theory of Dynamic Creep, by A. A. Predvoditelev, B. A. Smirnov,

RUSSIAN, per, Vest Mosk U (Fiz), Vol VIII, No 8, 1953, pp 79-86.

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Sci - Physics

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FTD MCL-1204/1

Sci - Phys 171,548

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(MY-4698)

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JPRS 7146

Sci - Electron

134,330

Dec 60

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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Concerning the Automation of Processing of Experimental Data in Investigating the Irregular Ionosphere, by V. D. Gusev, R. A. Gaylit, 20 pp.

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JPRS 5987

Sci - Phys

Nov 60

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14 (DC-4343)

Formulas for Calculation of Perburbations in Elliptical and Hyperbolic Motions, by A. A. Orlov, 11 pp.

RUSSIAN, per, Vest Moskov Universiteta, Ser III, Fiz Astron, No 2, 1960, pp 51-58.

JPRS 6079

Sci - Space Research
Oct 60

129,718

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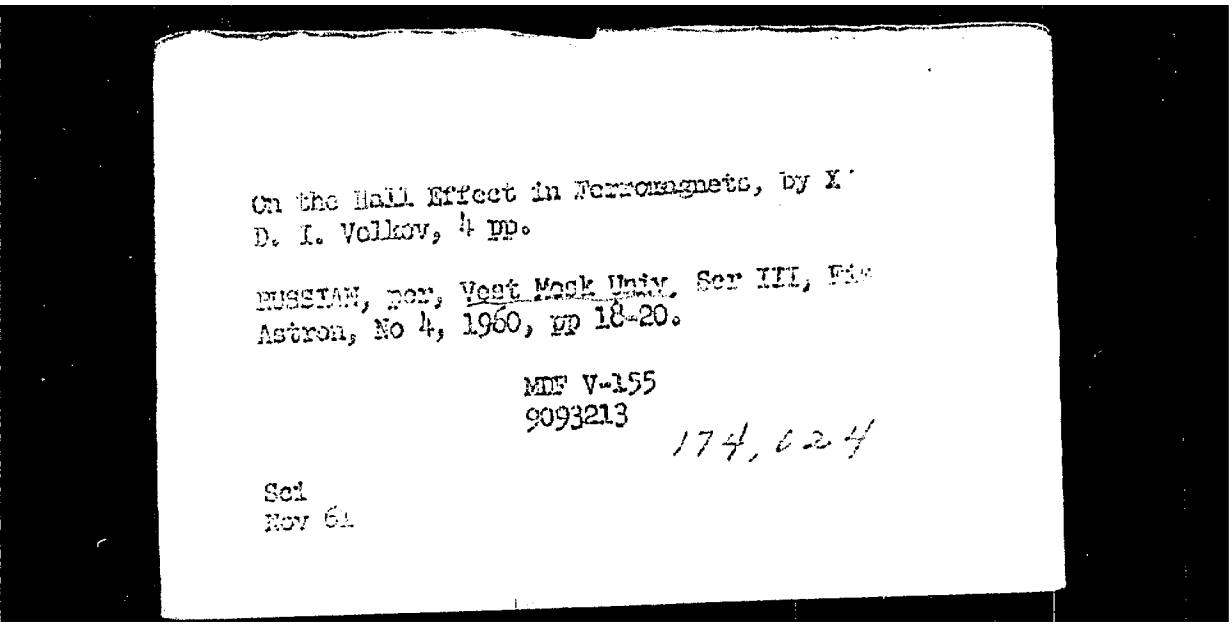

On the Hall Effect in Ferromagnets, by X.
D. I. Volkov, 4 pp.

RUSSIAN, pov, Vest Mosk Univ. Ser III, Fiz
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MDF V-155
9093213

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The Theory of Excitation of Standing Waves in Plasma, by R. Leven, 9 pp.

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FTD MCL-973/1

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Sci - Phys

5 Sep 61

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Magnetooptic Properties of Iron-Nickel and Nickel-Copper Alloys in the Infrared Range, by G. S. Krinchik, R. D. Nuralieva, 4 pp.

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MDF K-246
9092870
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Study of the Temperature Jump in Rarified Gases, by S. I. Gribkova, 7 pp.

RUSSIAN, per, Vest Mosk Univ, Ser III, Fiz, Astron, Vol XV, No 4, 1960, pp 59-63. 9097332

AEC UCRL Tr-731(L)

Sci - Phys
Apr 62

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Determination of the Coefficients of Turbulent Diffusion in the Sea With the Aid of Radioactive Indicators, by B. A. Nelepo.
RUSSIAN, per, Vest Moskov Univ Ser III Fiz i Astron, No 4, 1960, pp 64i-70.
Navy Tr 3894/HO 217

Sci - Earth Sci & Astron
Sep 64

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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On a Paradox in the Theory of Thermal Fluctuations in Nonlinear Resistances, by R. L. Stratonovich.

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[illegible] Phys Index
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Mar 61

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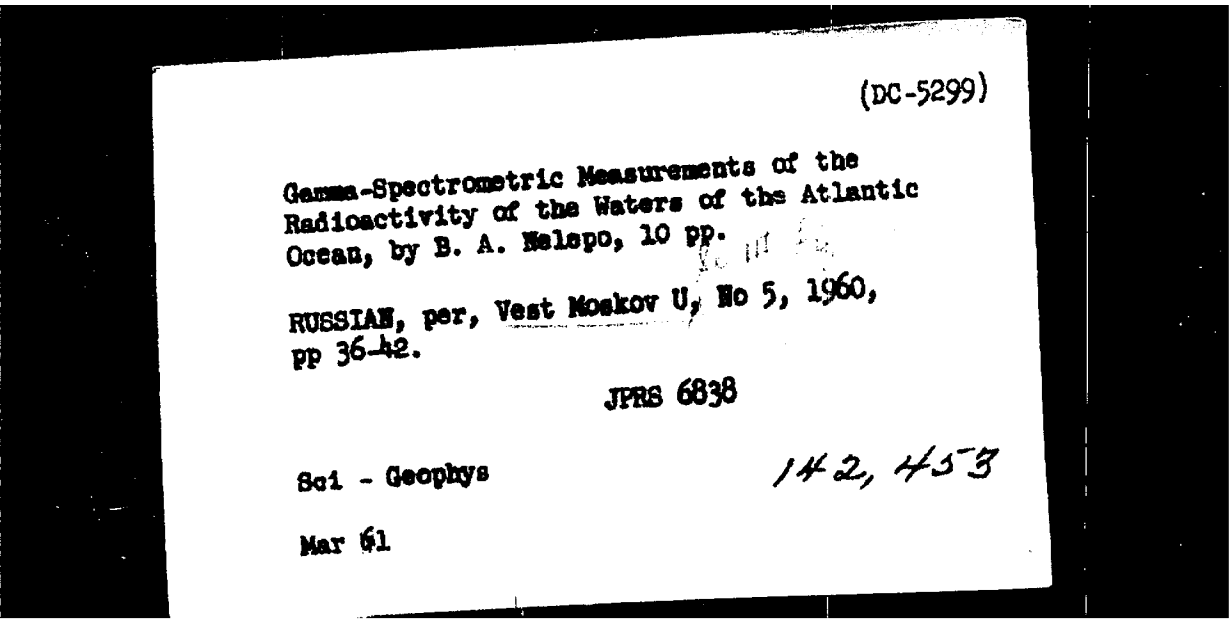

(DC-5299)

Gamma-Spectrometric Measurements of the Radioactivity of the Waters of the Atlantic Ocean, by B. A. Nelepo, 10 pp.

RUSSIAN, per, Vest Moskov U, No 5, 1960, pp 36-42.

JPRS 6838

Sci - Geophys

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(DC-5299)

Some Results of the Total Radioactivity of Oceanic Waters in the Antarctic Sector of the Pacific Ocean, by B. A. Nelepo, 6 pp.

RUSSIAN, per, Vest Moskov U, No 5, 1960, pp 43-46.

JPRS 6838

Sci - Geophys

Mar 61

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

Gas Equilibrium Behind the Shock Wave in Oxygen, Nitrogen and Their Mixtures With Xenon, by S. A. Losev, 8 pp.

RUSSIAN, per, Vest Moskov Univer, Ser III, Fiz, Astron, No 5, 1960, pp 47-52. 9671692

FTD MCL-1347/1

Sci - Phys

174, 761

29 Nov 61

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

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FTD-TT-61-67

Sci - Phys
Jun 63

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Analysis of the Dependence on Depth of Anomalies in Oceanic Areas, by N. P. Grushinskiy.
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ACIC TC 949

Sci/Earth Sci & Astron
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(NY-6489)

Certain Problems in Magnetohydrodynamics Considering the Finite Conductivity of the Medium, by I. I. Nochevinka, 12 pp.

RUSSIAN, per, Vest Moskov U, Seriya III, Fizika, Astronomiya, No 1, 1961,

JPRS 9579

Sci - Phys

160,398

Jul 61

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

Osipov, D. I.
PRESERVATION OF THE MAXWELLIAN DISTRIBUTION FORM IN A RELAXING GAS (O Sokhranenii Formy Maksvellovskogo Raspredeleniya v Relaksiruyushchem Gaze) tr. by Andre L. Brichant. 30 Oct 61 [6]p. 3 refs. NASA TT F-8173.
Order from OTS or SLA $1.10 62-33206

Trans. of Moscow U. Vestnik. [Seriya 3: Fizika, Astronomiya] (USSR) 1961 [v. 16] no. 1, p. 13-15.

DESCRIPTORS: *Gases, Electrons, *Relaxation time, Thermodynamics, Statistical functions, Differential equations, Fluid dynamics, Velocity.

The process of Maxwellian equilibrium settling in a light gas surrounded by an atmosphere of heavy gas is being investigated. It is assumed that the interaction forces are inversely proportional to the fifth power of the distance. It is shown that the initial light gas
(Physics--Molecular, TT v. 9, no. 7) (over)

62-33206

I. Title: Maxwellian distribution
I. Osipov, D. I.
II. NASA-TT-F-8173
III. National Aeronautics and Space Administration, Washington, D. C.

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A Simple Method of Tuning a Molecular Generator,
by G. P. Lyubimov, G. M. Strakhovskiy.

RUSSIAN, per, Vest Moskov Univ Seriya III
Fiz Astron, No 1, 1961, pp 79-81.

Navy Tr 3547/AFL 383

Sci - Phys
Sep 63

344,162

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

High-Frequency Oscillations in a Low-Pressure Discharge, by I. A. Savchenko, A. A. Zaytsev, 9 pp.

RUSSIAN, per, Vestnik Moscovskogo Universiteta, Seriya 3, Fizika, Astron, No 2, 1961, pp 19-25. 9676301

FTD-TT-62-116

Sci - Phys

192, 674

Apr 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

Fursov, V. S.
DIPOLE INTERACTION AND SCATTERING OF LIGHT, tr. by Astrid Werner. Nov 62 [6]p. 5 refs.
Order from ARS in its Journal, v. 32, no. 11, $3.00

Trans. of Moskow U. Vestnik. [Seriya 3: Fizika, Astronomiya] (USSR) 1961 [v. 16] no. 2, p. 60-72.

DESCRIPTORS: *Light, Scattering, Dipole moment, Gases, Molecules, Optics, Field theory, Quantum statistics, Corrections.

(Physics--Optics, TT, v. 9, no. 1)

63-12216

1. Title: Rayleigh scattering
I. Fursov, V. S.
II. American Rocket Society, New York

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Radiation of Gravitational Waves by
"Elementary Particles," by K. P. Stanyukovich,
16 pp.

RUSSIAN, per, Vest Moskov Univer, Ser III,
Fiz i Astron, No 5, 1961, pp 71-82. 9664224

FTD-TT-61-394

Sci - Phys

186,245

2 Mar 62

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

The Theory of a Magnetogasdynamic Generator,
by M. I. Kiselev, 9 pp.

RUSSIAN, per, Vest Moskov U, Ser III, Fiz, Astron
No 1, 1962, pp 63-68. 9667374

FTD-TT-62-1181

Sci - Phys
Jan 63

219,952

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100130076-4

Generalov, N. A.
VIBRATIONAL [illegible] OXYGEN AT HIGH TEMPERATURES. I. tr. by R. [illegible] Kuvshinoff.
6 Sep 62, [illegible] AFSC Proj. No. 7230-TG 230-T330.
Order from [illegible] 63-11506

Trans. of [illegible] Geofiz. Seriya 3: Fizika, Astronomiya (USSR) 1957, v. 17[illegible] no. 2, p. 51-59.

DESCRIPTORS: *Oxygen, Molecules, Vibration, Relaxation time, Shock waves, *Shock tubes.

The method of measuring the vibrational relaxation time of oxygen molecules behind a shock front is described. The vibrational excitation time τ for O_2 varies from 2.5 to 0.17 μsec with change in temperature from 2500 to 10,000°K. The dependence of log τ on $T^{-1/3}$ agrees with the Landau-Teller theory. (Author)
(Physics--Molecular, FT, v. 9, no. 3)

63-11506

I. Generalov, N. A.
II. APL/JHU TG-230-T330
III. Applied Physics Lab., Johns Hopkins U., Silver Spring, Md.
IV. Contract NOw-62-0601-c

Pg-ptJv 3443/APL 330

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